

El Centro, CA

Advanced industries employ

1,090

full-time workers. (2013)

These direct jobs supports an additional

870

indirect jobs in other industries in the region.

Advanced industries produce

\$0.4

billion dollars in output in the region.
(2013, 2005 Chained)

Advanced industries pay, on average

\$64,520

dollars per year (2013).

Advanced industries directly account for

1.8%

of all jobs in the region.

This employment share is

#276

among all small metros.

This accounts for

5.9%

of all output in the region (2013).

This compares to average pay of

\$36,740

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOB

2.7%

OUTPUT

3.8%

-2.2%

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U.S.

-4.2%

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U.S.

What are Advanced Industries?

The Metropolitan Policy Program at Brookings defines advanced industries as those that: 1) Spend at least \$450 per worker per year on R&D and 2) employ at least 20 percent of their workforce in STEM-intensive occupations. The definition identifies 50 4-digit NAICS industries across the manufacturing, energy, and services sectors that together constitute the advanced industries super-sector.

Why do Advanced Industries Matter?

Advanced industries encompass the nation's "tech" sector at its broadest and most consequential. They represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery. Their competitiveness and growth are prerequisites for any future broadly shared prosperity. As such, the sector encompasses the country's best shot at supporting innovative, inclusive, and sustainable growth. Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven.

For More Information

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www.brookings.edu/advancedindustries

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

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Twenty-Five Largest Advanced Industries (2013)

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2013)	Industry Location Quotient (LQ) † 2013	Industry Share of Total Advanced Industries Employment (2013)	Industry Employment Annual Growth 2010-2013	Industry Share of Total Advanced Industries Output (2013)	Industry Output Annual Growth 2010-2013
2211	Power Generation & Supply	320	1.86	28.9%	-7.9%	43.4%	-8.4%
5416	Management Consulting	250	0.48	22.6%	14.2%	13.4%	13.0%
5413	Architecture & Engineering	130	0.23	12.0%	-5.9%	6.1%	-5.4%
5415	Computer Systems Design	70	0.09	5.9%	12.2%	4.1%	13.9%
5417	R&D Services	40	0.14	3.4%	20.8%	2.5%	25.6%
3345	Precision Instruments	30	0.18	2.8%	41.3%	2.1%	49.1%
5179	Other telecommunications	30	0.68	2.3%	-22.2%	2.7%	-11.7%
3344	Semiconductors	20	0.15	2.2%	33.9%	1.8%	42.4%
3399	Misc. Manufacturing	20	0.19	2.0%	3.2%	1.0%	4.7%
5112	Software Products	20	0.16	1.9%	-4.4%	4.6%	1.8%
2111	Oil & Gas Extraction	20	0.22	1.7%	3.8%	9.3%	-1.9%
3279	Stone & Mineral Products	20	0.60	1.6%	1.9%	0.5%	0.6%
5172	Wireless Telecom Carriers	20	0.23	1.4%	-9.1%	1.4%	-12.0%
6215	Medical and Diagnostic Laboratories	20	0.14	1.4%	14.5%	0.3%	13.3%
3331	Agri., Constr., Mining Machinery	10	0.12	1.2%	17.6%	0.5%	19.8%
3391	Medical Equipment & Supplies	10	0.10	1.2%	-17.3%	0.8%	-13.5%
3364	Aircraft Products & Parts	10	0.05	1.0%	-20.6%	0.6%	-18.7%
3359	Misc. Electrical Equipment	10	0.18	0.9%	-27.3%	0.3%	-28.2%
3333	Commercial & Service Machinery	10	0.21	0.7%	58.7%	0.4%	51.7%
3351	Electrical Lighting Equipment	10	0.29	0.5%	-18.3%	0.2%	-18.2%
3315	Foundries	10	0.09	0.5%	-32.1%	0.1%	-31.1%
3353	Electrical Equipment	10	0.08	0.5%	-20.6%	0.2%	-21.0%
5152	Cable and Other Subscription Programming	10	0.16	0.5%	-17.8%	0.8%	-12.3%
3311	Iron & Steel Products	-	0.10	0.4%	10.1%	0.1%	19.8%
5182	Data Processing & Hosting	-	0.03	0.4%	-28.6%	0.3%	-27.0%
Advanced industries manufacturing		190	0.08	17.3%	-2.5%	10.4%	-3.1%
Advanced industries energy		340	1.22	30.6%	-7.4%	52.7%	-7.4%
Advanced industries services		570	0.21	52.1%	1.6%	36.9%	1.0%
ADVANCED INDUSTRIES TOTAL		1,090	0.21	100.0%	-2.2%	100.0%	-4.2%

† Location quotients are a measure of specialization for an industry using employment. A LQ of over 1 indicates that an industry employs more workers, as a share of total employment, than the nation as a whole.